

# TECHNICAL GUIDE

## 304S11 / 1.4307

### Steel Description

304S11 / 1.4307 is the most versatile and widely used austenitic stainless steel. With a minimum of 18% chromium and 8% nickel, it has excellent corrosion resistance properties and is often used where good welding / fabrication and formability / bending characteristics are required and in a wide variety of domestic, commercial, dairy and decorative applications.

EN 10088-3	BS970: 1991	COLOUR CODE	DESCRIPTION
1.4307	304S11		Austenitic stainless steel

CHEMICAL ANALYSIS	
Car	0.030 max
Sil	1.00 max
Mang	2.00 max
Phos	0.045 max
Sul	0.030 max
Chr	17.0 / 19.0
Nick	9.0 / 12.0

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	304S11
BRITISH BS 970:1955	
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	2352
AMERICAN SAE	
EUROPEAN STEEL NO.	1.4307
EUROPEAN STEEL NAME	X5CRNi18-10
EUROPEAN STANDARD	EN10088-3

QUICK VIEW SYSTEM	
MACHINEABILITY	65
WELDABILITY	Good
HARDENABILITY	Not applicable
SELECTION GUIDE AND USAGE EXAMPLES	Fully resistant to weld decay. Domestic, dairy and decorative applications

SIZE RANGE SUMMARY			
	Rounds	IMP	1/4" - 2.1/8" dia
		MM	6mm - 50mm dia

SEE STOCK RANGE FOR SPECIFIC SIZES.